

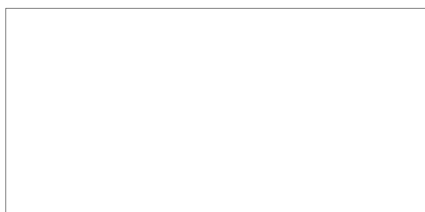
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**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

**TWO MICROWAVE LINES EAST FROM MOSCOW
AREA--NOGINSK-VLADIMIR AND RECHITSY-MUROM
U.S.S.R.**



GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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|---|-------------------------------------|-----------------------|------------------------|--------------------------|------------------------|
| INSTALLATION OR ACTIVITY NAME Two Microwave Lines East from Moscow Area - Noginsk-Vladimir and Rechitsy-Murom | | | | | COUNTRY UR |
| UTM COORDINATES NA | GEOGRAPHIC COORDINATES See below | CATEGORY See below | BE NUMBER See below | COMIREX NO. See below | NIETB NO. See below |

MAP REFERENCE

ACIC. Operational Navigation Chart E-4, scale 1:1,000,000 (UNCLASSIFIED)

| | |
|--|-----------------------------------|
| | NEGATION DATE (if required) NA |
| | NPIC PROJECT 250733 |

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ABSTRACT

1. This report provides data on 11 microwave stations that are part of two radio relay lines east from the Moscow area. The Noginsk-Vladimir line is complete, and six relay stations have been identified on KEYHOLE photography. The Rechitsy-Murom line was incomplete in March 1970; five stations have been identified but at least six would be required to complete the line.

INTRODUCTION

2. A complete radio relay line has been identified linking Noginsk on the outskirts of Moscow with Vladimir, USSR, 70 nautical miles to the northeast. A second line was identified to the south and consisted of five stations between Rechitsy and Murom. At least one more station would be required to complete that line. Both relay lines are generally parallel to rail lines (Figure 1).

3. Six towers were sighted on the Noginsk-Vladimir line, but antennas at only two could be identified: probable R-600 Vesna horns at Noginsk (item 1, below) and an R-60/120 antenna at Vladimir (item-6). Five of the towers on the Rechitsy-Murom line had probable R-60/120 antennas and one tower had undetermined equipment. At no station on either line could antennas be seen with sufficient clarity for relay azimuths to be determined.

4. These two radio relay lines were identified as a result of a search for microwave stations at ten specified areas and along rail lines and roads east from Moscow.

being the most recent and the most complete. Heights of towers were measured on large-scale photography, where available, and are considered 95 percent accurate within the limits stated. The following information is keyed to Figure 1.

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BASIC DESCRIPTION

Noginsk-Vladimir Line

- 1 Noginsk Radio Relay Station Southeast
55-50-27N 038-29-59E

Tower (inset, Figure 1): cylindrical masonry,

Antennas: four probable Vesna horns

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- 2 Pokrov Radio Relay Station

55-54-56N 039-09-09E

Tower: self-supporting lattice, of undetermined height

Antennas undetermined

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- 3 Kosterovo Radio Communications Station NE
55-58-10N 039-41-20E [REDACTED]
- Tower: self-supporting lattice, of undetermined height
Antennas undetermined
- [REDACTED]

- 4 Vladimir Radio Relay Station
56-05-52N 040-14-00E [REDACTED]
- Tower: self-supporting lattice, of undetermined height
Antennas undetermined
- [REDACTED]

- 5 Vladimir Radio Communications Station
56-08-05N 040-24-42E [REDACTED]

Tower: steel lattice, [REDACTED]
Antenna: possibly R-60/120

[REDACTED]

- 6 Vladimir TV Relay and FM Broadcasting Station
56-09-30N 040-23-05E [REDACTED]

Tower: Guyed, tubular steel, [REDACTED]
crow's nest on top of tower [REDACTED]
Antennas undetermined

[REDACTED]

Rechitsy-Murom Line

- 7 Rechitsy Radio Relay Station
55-36-35N 038-27-40E [REDACTED]
- Tower: self-supporting lattice, of undetermined height
Antennas: probably R-60/120
- [REDACTED]

- 8 Cherusti Radio Relay Station
55-32-20N 040-01-10E [REDACTED]
- Tower: self-supporting lattice, of undetermined height
Antennas: probably R-60/120
- [REDACTED]

- 9 Nechayevskaya Radio Relay Station
55-30-00N 040-35-50E [REDACTED]
- Tower: self-supporting lattice, of undetermined height
Antennas: probably R-60/120
- [REDACTED]

- 10 Dobryatino Radio Relay Station
55-30-25N 041-20-00E [REDACTED]
- Tower: self-supporting lattice, of undetermined height
Antennas: probably R-60/120
- [REDACTED]

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- 11 Murom Radio Relay Station
55-33-35N 042-02-40E

Tower: self-supporting lattice, of undetermined height
Antennas undetermined

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